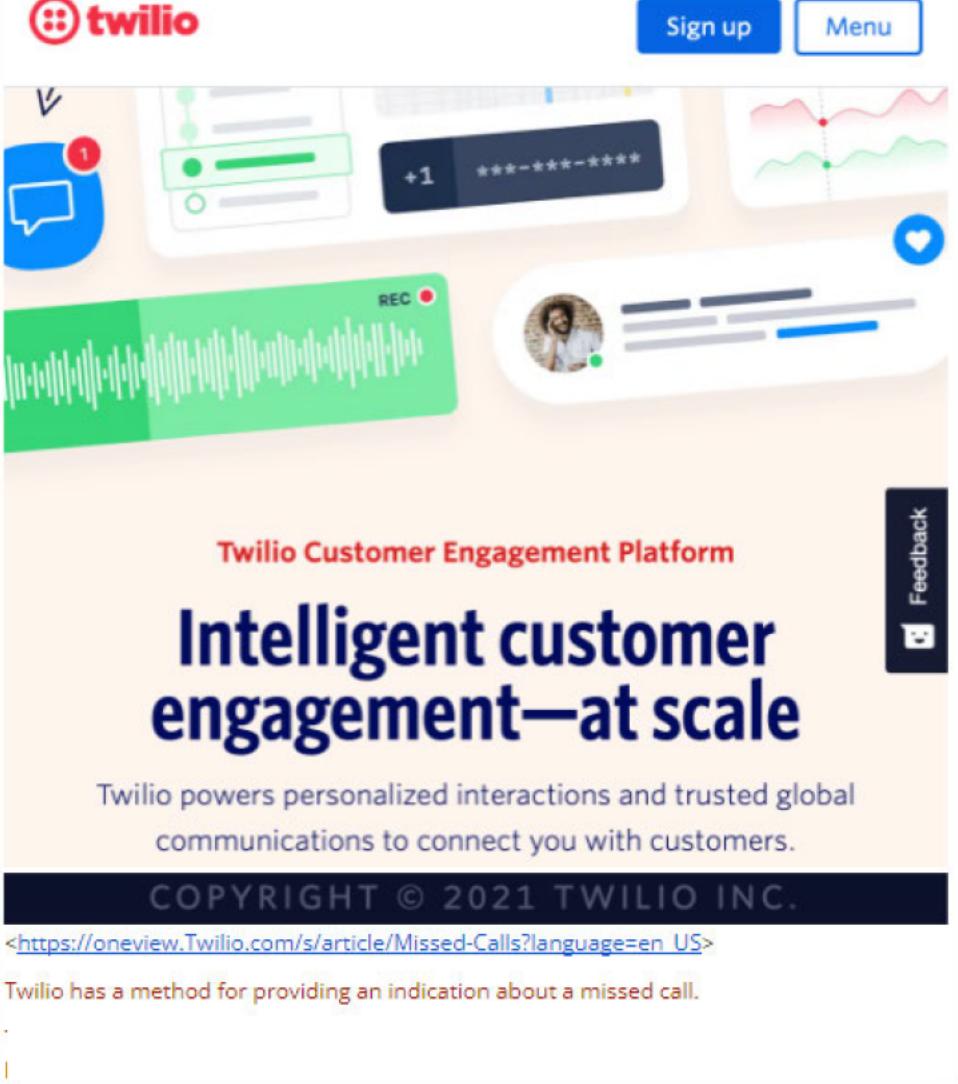


# Exhibit A

# ‘872 Patent

US9531872 B2 Claim 10	Twilio
10. A method for providing an indication about a missed call, said method comprising the following steps:	 <p>Twilio Customer Engagement Platform</p> <h1>Intelligent customer engagement—at scale</h1> <p>Twilio powers personalized interactions and trusted global communications to connect you with customers.</p> <p>COPYRIGHT © 2021 TWILIO INC.</p> <p><a href="https://oneview.Twilio.com/s/article/Missed-Calls?language=en_US">https://oneview.Twilio.com/s/article/Missed-Calls?language=en_US</a></p> <p>Twilio has a method for providing an indication about a missed call.</p>

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<p>receiving an incoming call by means of a communication apparatus comprising receiving means;</p> <p>processing said received incoming call by means of a control unit coupled to said receiving means;</p> <p>outputting, by means of an output means, information related to the received incoming call to a user of the communication apparatus;</p>	<p><b>Check Your Call Logs</b></p> <p>Check the <a href="#">Twilio Call Logs</a> to validate that we have successfully received and processed the incoming call(s). You can view the logs and search for your call record via either <a href="#">Console</a>, or the <a href="#">REST API</a>.</p> <p><b>A record doesn't exist for the call:</b> If you don't see a record for the call in question, then there is likely an issue elsewhere. Continue reading for additional troubleshooting.</p> <p><b>A record does exist for the call:</b> If you do see a record for the call in question, this indicates Twilio has successfully received the call, and the issue lies elsewhere. Continue troubleshooting with the following checklist:</p> <ul style="list-style-type: none"> <li>• Are you <a href="#">troubleshooting an Elastic SIP Trunking or SIP Domain call</a>?</li> <li>• Are you (or a caller) hearing the <a href="#">"An application error has occurred" error on your call</a>?</li> <li>• Is an outbound <a href="#">call not connecting</a>?</li> <li>• Does the call log show any <a href="#">Debug Events</a>?</li> <li>• Is your TwiML URL or Application SID <a href="#">responding as intended</a>?</li> <li>• Are you (or a caller) experiencing any <a href="#">audio quality issues</a>?</li> </ul> <p><a href="https://support.twilio.com/hc/en-us/articles/360021667534-Troubleshooting-Incoming-Calls-on-a-Twilio-Phone-Number">https://support.twilio.com/hc/en-us/articles/360021667534-Troubleshooting-Incoming-Calls-on-a-Twilio-Phone-Number</a></p> <p>The reference describes receiving an incoming call by means of a communication apparatus comprising receiving means.</p> <p>The reference describes processing said received incoming call by means of a control unit coupled to said receiving means.</p> <p>The reference describes outputting, by means of an output means, information related to the received incoming call to a user of the communication apparatus.</p>

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<p>wherein said step of outputting information is performed by cause processing means associated to said control unit, said cause processing means performing the steps of:</p> <p>verifying if the received incoming call is a missed received incoming call that was received by the communication apparatus but was not answered by the user of the communication apparatus;</p> <p>extracting a cause value from a cause information element sent from a network to said apparatus; and</p> <p>outputting to the user an indication related to the cause value via the output means;</p>	<p><b>Final Call Statuses</b></p> <p>After a call has finished, the following <u>final status options</u> are possible:</p> <p><b>busy</b></p> <p>Twilio dialed the number, but received a busy response.</p> <p><b>no-answer</b></p> <p>Twilio dialed the number but no one answered before the <u>timeout</u> parameter value elapsed. This can be configured for each call, but by default is set to 60 seconds on <b>outbound API calls</b>, and 30 seconds on <b>outbound &lt;Dial&gt; calls</b>.</p> <p><b>canceled</b></p> <p>Prior to being answered, an outbound call was canceled via an <b>HTTP POST</b> request to the <b>REST API</b>, or an incoming call was disconnected by the calling party</p> <p><b>failed</b></p> <p>Twilio's carriers could not connect the call. Possible causes include the destination is unreachable, or the number may have been <b>input incorrectly</b>.</p> <p>&lt;<a href="https://support.twilio.com/hc/en-us/articles/223132547-What-are-the-Possible-Call-Statuses-and-What-do-They-Mean-">https://support.twilio.com/hc/en-us/articles/223132547-What-are-the-Possible-Call-Statuses-and-What-do-They-Mean-</a>&gt;</p> <p>The reference describes verifying if the received incoming call is a missed received incoming call that was received by the communication apparatus but was not answered by the user of the communication apparatus.</p> <p>The reference describes extracting a cause value from a cause information element sent from a network to said apparatus.</p> <p>The reference describes outputting to the user an indication related to the cause value via the output means.</p>

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<p>wherein said step of outputting to the user an indication related to the cause value is performed through the steps of:</p> <p>verifying when the cause value comprises an indication that the missed received incoming call was automatically caused by the network, and in such a case consequently outputting to the user via said output means said indication that the missed received incoming call was ended by the network and was urgent; and</p> <p>verifying when the cause value comprises an indication that the missed received incoming call was cleared by the caller, and in such a case outputting to the user via said output means an indication that the missed received incoming call was ended by the caller.</p>	<p><b>Final Call Statuses</b></p> <p>After a call has finished, the following final status options are possible:</p> <table> <tbody> <tr> <td data-bbox="567 487 605 515"><b>busy</b></td> <td data-bbox="943 473 1204 530">Twilio dialed the number, but received a busy response.</td> </tr> <tr> <td data-bbox="567 671 654 699"><b>no-answer</b></td> <td data-bbox="943 578 1269 789">Twilio dialed the number but no one answered before the timeout parameter value elapsed. This can be configured for each call, but by default is set to 60 seconds on <a href="#">outbound API calls</a>, and 30 seconds on <a href="#">outbound &lt; Dial &gt; calls</a>.</td> </tr> <tr> <td data-bbox="567 895 649 922"><b>canceled</b></td> <td data-bbox="943 832 1269 988">Prior to being answered, an outbound call was canceled via an <a href="#">HTTP POST</a> request to the <a href="#">REST API</a>, or an incoming call was <a href="#">disconnected by the calling party</a></td> </tr> <tr> <td data-bbox="567 1094 621 1121"><b>failed</b></td> <td data-bbox="943 1030 1269 1178">Twilio's carriers could not connect the call. Possible causes include the destination is unreachable, or the number may have been <a href="#">input incorrectly</a>.</td> </tr> </tbody> </table> <p><a href="https://support.twilio.com/hc/en-us/articles/223132547-What-are-the-Possible-Call-Statuses-and-What-do-They-Mean-">https://support.twilio.com/hc/en-us/articles/223132547-What-are-the-Possible-Call-Statuses-and-What-do-They-Mean-</a></p> <p>The reference describes verifying when the cause value comprises an indication that the missed received incoming call was automatically caused by the network, and in such a case consequently outputting to the user via said output means said indication that the missed received incoming call was ended by the network and was urgent.</p> <p>The reference describes verifying when the cause value comprises an indication that the missed received incoming call was cleared by the caller, and in such a case outputting to the user via said output means an indication that the missed received incoming call was ended by the caller.</p>	<b>busy</b>	Twilio dialed the number, but received a busy response.	<b>no-answer</b>	Twilio dialed the number but no one answered before the timeout parameter value elapsed. This can be configured for each call, but by default is set to 60 seconds on <a href="#">outbound API calls</a> , and 30 seconds on <a href="#">outbound &lt; Dial &gt; calls</a> .	<b>canceled</b>	Prior to being answered, an outbound call was canceled via an <a href="#">HTTP POST</a> request to the <a href="#">REST API</a> , or an incoming call was <a href="#">disconnected by the calling party</a>	<b>failed</b>	Twilio's carriers could not connect the call. Possible causes include the destination is unreachable, or the number may have been <a href="#">input incorrectly</a> .
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